

Janarthanan Jayawickramarajah

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55
papers

1,954
citations

22
h-index

44
g-index

63
ext. papers

2,091
ext. citations

9.2
avg, IF

4.75
L-index

#	Paper	IF	Citations
55	Molecular recognition via base-pairing. <i>Chemical Society Reviews</i> , 2007 , 36, 314-25	58.5	280
54	Functions of lncRNA HOTAIR in lung cancer. <i>Journal of Hematology and Oncology</i> , 2014 , 7, 90	22.4	265
53	Functionalized base-pairs: versatile scaffolds for self-assembly. <i>Chemical Communications</i> , 2005 , 1939-49	5.8	142
52	Base-pairing mediated non-covalent polymers. <i>Chemical Society Reviews</i> , 2009 , 38, 1608-20	58.5	112
51	Synthesis and photophysics of a porphyrin-fullerene dyad assembled through Watson-Crick hydrogen bonding. <i>Chemical Communications</i> , 2005 , 1892-4	5.8	109
50	Guanosine and fullerene derived de-aggregation of a new phthalocyanine-linked cytidine derivative. <i>Tetrahedron</i> , 2006 , 62, 2123-2131	2.4	91
49	Straightforward self-assembly of porphyrin nanowires in water: harnessing adamantane/beta-cyclodextrin interactions. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9966-7	16.4	78
48	Photophysical characterization of a cytidine-guanosine tethered phthalocyanine-fullerene dyad. <i>Chemical Communications</i> , 2007 , 292-4	5.8	76
47	Host-Guest Tethered DNA Transducer: ATP Fueled Release of a Protein Inhibitor from Cucurbit[7]uril. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13916-13921	16.4	56
46	Protein recognition and denaturation by self-assembling fragments on a DNA quadruplex scaffold. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 223-5	16.4	52
45	Multivalent protein binding and precipitation by self-assembling molecules on a DNA pentaplex scaffold. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5020-1	16.4	51
44	Novel guanosine-cytidine dinucleoside that self-assembles into a trimeric supramolecule. <i>Organic Letters</i> , 2003 , 5, 2627-30	6.2	51
43	DNA-small molecule chimera with responsive protein-binding ability. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14950-1	16.4	34
42	Protein-binding molecular switches via host-guest stabilized DNA hairpins. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7676-9	16.4	33
41	Water-soluble nanorods self-assembled via pristine C60 and porphyrin moieties. <i>Chemical Communications</i> , 2009 , 4209-11	5.8	33
40	Allosteric control of self-assembly: modulating the formation of guanine quadruplexes through orthogonal aromatic interactions. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7583-6	16.4	30
39	Band-selective ballistic energy transport in alkane oligomers: toward controlling the transport speed. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 6448-56	3.4	28

38	Elevated expression of long intergenic non-coding RNA HOTAIR in a basal-like variant of MCF-7 breast cancer cells. <i>Molecular Carcinogenesis</i> , 2015 , 54, 1656-67	5	28
37	Ballistic energy transport along PEG chains: distance dependence of the transport efficiency. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 10445-54	3.6	24
36	Room-temperature ballistic energy transport in molecules with repeating units. <i>Journal of Chemical Physics</i> , 2015 , 142, 212412	3.9	23
35	Water-soluble porphyrin nanospheres: enhanced photo-physical properties achieved via cyclodextrin driven double self-inclusion. <i>Chemical Communications</i> , 2014 , 50, 4853-5	5.8	23
34	Examination of the effect of the annealing cation on higher order structures containing guanine or isoguanine repeats. <i>Chemistry - A European Journal</i> , 2009 , 15, 11244-55	4.8	22
33	Design, synthesis, and applications of DNA-macrocyclic host conjugates. <i>Chemical Communications</i> , 2018 , 54, 11668-11680	5.8	22
32	Protein Recognition and Denaturation by Self-Assembling Fragments on a DNA Quadruplex Scaffold. <i>Angewandte Chemie</i> , 2007 , 119, 227-229	3.6	21
31	Enhancing Hoogsteen interactions: a pyrrole-containing purine nucleoside that competes with guanosine self-assembly. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11460-1	16.4	21
30	lincRNA HOTAIR as a novel promoter of cancer progression. <i>Journal of Cancer Research Updates</i> , 2014 , 3, 134-140	1	21
29	A naphthalimide derived fluorescent sensor for solid-phase screening of cucurbit[7]uril-guest interactions. <i>Chemical Communications</i> , 2016 , 52, 2307-10	5.8	18
28	ESI-MS characterization of a novel pyrrole-inosine nucleoside that interacts with guanine bases. <i>Analytica Chimica Acta</i> , 2008 , 627, 129-35	6.6	18
27	Chaperone-Assisted Host-Guest Interactions Revealed by Single-Molecule Force Spectroscopy. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18385-18389	16.4	17
26	Photonic DNA-chromophore nanowire networks: harnessing multiple supramolecular assembly modes. <i>Langmuir</i> , 2013 , 29, 10796-806	4	17
25	Bright G-Quadruplex Nanostructures Functionalized with Porphyrin Lanterns. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12582-12591	16.4	15
24	Mild two-step method to construct DNA-conjugated silicon nanoparticles: scaffolds for the detection of microRNA-21. <i>Bioconjugate Chemistry</i> , 2014 , 25, 1739-43	6.3	15
23	Determination of polyethylene glycol end group functionalities by combination of selective reactions and characterization by matrix assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2014 , 816, 28-40	6.6	14
22	Configurational Isomers of a Stilbene-Linked Bis(porphyrin) Tweezer: Synthesis and Fullerene-Binding Studies. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 6095-6099	3.2	14
21	Molecular recognition and enhancement of aqueous solubility and bioactivity of CD437 by β -cyclodextrin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 857-60	2.9	12

20	Host-guest interactions derived multilayer perylene diimide thin film constructed on a scaffolding porphyrin monolayer. <i>Langmuir</i> , 2015 , 31, 578-86	4	10
19	Structural Effects on Guest Binding in Cucurbit[8]uril-Perylenemonoimide Host-Guest Complexes. <i>ChemistrySelect</i> , 2018 , 3, 4699-4704	1.8	10
18	Azido alkanes as convenient reporters for mobility within lipid membranes. <i>Chemical Physics</i> , 2018 , 512, 20-26	2.3	9
17	Oligonucleotide-Based Systems for Input-Controlled and Non-Covalently Regulated Protein-Binding. <i>Supramolecular Chemistry</i> , 2013 , 25,	1.8	8
16	Ballistic Transport of Vibrational Energy through an Amide Group Bridging Alkyl Chains. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 3381-3392	3.8	7
15	Allosteric Control of Self-Assembly: Modulating the Formation of Guanine Quadruplexes through Orthogonal Aromatic Interactions. <i>Angewandte Chemie</i> , 2007 , 119, 7727-7730	3.6	7
14	Measurement of Single-Molecule Forces in Cholesterol and Cyclodextrin Host-Guest Complexes. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 11112-11121	3.4	7
13	Bile Acid Conjugated DNA Chimera that Conditionally Inhibits Carbonic Anhydrase-II in the Presence of MicroRNA-21. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1606-12	6.3	5
12	Protein recognition via oligonucleotide-linked small molecules: Utilisation of the hemin-binding aptamer. <i>Supramolecular Chemistry</i> , 2009 , 21, 316-323	1.8	5
11	Energy and Electron Transfer in Supramolecular Systems 2004 , 535-545		5
10	Increasing Student Interest and Self-Efficacy in STEM by Offering a Service-Learning Chemistry Course in New Orleans. <i>Journal of Chemical Education</i> , 2020 , 97, 4008-4018	2.4	5
9	A stable bidentate protein binder achieved via DNA self-assembly driven ligand migration. <i>Chemical Communications</i> , 2015 , 51, 13615-8	5.8	3
8	Covalent and Non-Covalent Porphyrin-DNA Conjugates 2016 , 51-81		3
7	Volume 4: Bioinspired and Biomimetic Supramolecular Chemistry 2017 , 1		1
6	Volume 5: Supramolecular Medicinal Chemistry and Chemical Biology 2017 , 1		1
5	Functionalized Base-Pairs: Versatile Scaffolds for Self-Assembly. <i>ChemInform</i> , 2005 , 36, no		1
4	Synthesis and Applications of Porphyrin-Biomacromolecule Conjugates. <i>Frontiers in Chemistry</i> , 2021 , 9, 764137	5	1
3	Flavin Binding Allosteric Aptamer with Noncovalent Labeling for miR Sensing. <i>Bioconjugate Chemistry</i> , 2019 , 30, 2822-2827	6.3	

- 2 Competition of Several Energy-Transport Initiation Mechanisms Defines the Ballistic Transport Speed. *Journal of Physical Chemistry B*, **2021**, 125, 7546-7555 3.4
- 1 Nanoparticle encapsulation of non-genotoxic p53 activator Inauhzin-C for improved therapeutic efficacy. *Theranostics*, **2021**, 11, 7005-7017 12.1